



**REPUBLIC OF KENYA**

**MINISTRY OF ENVIRONMENT AND FORESTRY**

**KENYA METEOROLOGICAL DEPARTMENT**

*Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya*

**Telephone:** 254 (0) 20 3867880-7, **Fax:** 254 (0) 20 3876955/3877373/3867888,

**E-mail:** [director@meteo.go.ke](mailto:director@meteo.go.ke), [info@meteo.go.ke](mailto:info@meteo.go.ke); **Website:** <http://www.meteo.go.ke>

**Biometeorological Services Division**

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**WEEKLY BIOMETEOROLOGICAL BULLETIN (9<sup>TH</sup> AUGUST- 15<sup>TH</sup> AUGUST, 2022)**

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**1 PREAMBLE**

Biometeorology is an interdisciplinary science of interactions between atmospheric processes and living organisms - plants, animals and humans. The Bio-Meteorological Section collects, analyzes, interprets meteorological data and issues the human health related forecast in partnership with the health sector.

**2 FORECAST FOR 09<sup>TH</sup> AUGUST – 15<sup>TH</sup> AUGUST, 2022**

**a) Rainfall**

Rainfall more than 50mm is expected over parts of Transzoia (Kitale) and Elgeyo Marakwet Counties during the forecast period (Tue 9<sup>th</sup> August, 2022 to Mon 15<sup>th</sup> August, 2022).

**b) High Temperature**

Maximum Temperatures of less than 35°C are expected over most parts of Country, during the forecast period (Tue 9<sup>th</sup> August, 2022 to Mon 15<sup>th</sup> August, 2022).

**c) Low Temperature**

Minimum Temperature of less than 10°C is expected in parts of Nyandarua (Nyahururu), Eldoret, Eldoret Airport, Narok, Kitale and Kericho Counties, during the forecast period (Tue 9<sup>th</sup> August, 2022 to Mon 15<sup>th</sup> August, 2022).

**d) Winds**

Winds of more than 25 knots (12.9m/s) are expected over parts of Marsabit, Wajir, Turkana(Lodwar), Mandera, Isiolo, Garissa, Mombasa, Kilifi(Mtwapa, Msabaha, Malindi )and Lamu Counties, during the forecast period (Tue 9<sup>th</sup> August, 2022 to Mon 15<sup>th</sup> August, 2022).

## REVIEW FOR LAST WEEK (1<sup>ST</sup> AUGUST – 7<sup>TH</sup> AUGUST, 2022)

### 2.1 High Rainfall

This section lists stations recorded more than 50mm total rainfall in the last 7 days. This is shown in Table 1 below.

**Table 1:**

Station	Total weekly Rainfall
Eldoret Air/Port	110.3mm
Eldoret Met	83.6mm
Kericho Met	62.1mm

### 2.2 High Temperatures

This section lists stations that recorded average Temperatures not exceeding 35°C in the last 7 days. Average weekly maximum Temperature less than 35°C was recorded in the Country.

### 2.3 Low Temperatures

This section lists stations that recorded average Temperatures below 10°C in the last 7 days. This is shown in Table 2 below.

**Table 2:**

Station	Average weekly Minimum Temperature
Nyahururu Met	10.1°C

### 2.4 High Winds

This section list stations that recorded winds with speeds of more than 25knots (12.9 metres per sec) in the last 7 days. This was recorded in Marsabit and Voi Met stations.

## 3 Advisory

**The areas expected to receive more than 50 mm of weekly total rainfall have a** high risk of waterborne (e.g. diarrhea) and Vector borne (e.g. Malaria) diseases especially in areas with poor drainage. Residents are advised to be on the lookout for such diseases and take necessary action.

**The areas expected to experience more than 35°C** therefore high likelihood of skin diseases e.g. skin rash.

**The areas expected to experience less than 10°C** have a high likelihood of cold weather diseases. e.g. Asthma, pneumonia, common cold and flu. Residents are advised to be on the lookout for such diseases and take necessary action.

**Winds of more than 25 knots (12.9m/s)** have a high likelihood of cold and flu diseases due to blown dust especially during dry season. Residents are advised to be on the lookout for such diseases and take necessary action.

**N.B: This forecast is to be used together with the daily (24-hour) forecast issued by this Department.**

Dr Gikungu

**DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT**